

AA. #168 to AA. #208.  
3<sup>d</sup> Nov<sup>r</sup> '99 to 7<sup>th</sup> Jan'y 1900

Hy<sup>d</sup>. 3934 - Hy<sup>d</sup>. 3970.

D<sup>r</sup>. 3691 - D<sup>r</sup>. 3694.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Stearns No 3934 L.S. 844*  
 No. *168* Date *3 Nov. 99*  
*Sigsbee* Machine. *#7* Reel. *Built up*  
 Turns *1615* Cor. + *104* Depth *1719 fms*  
 Shot or lead *60 #*  
 Bottom *glb. g.*  
 Bottom temperature *35.0*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *80* Surface *77* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.42.50</i>	<i>8.17.50</i>	0		
<i>43.30</i>	<i>16.00</i>	100		
<i>44.15</i>	<i>15.00</i>	200		
<i>45.00</i>	<i>14.00</i>	300		
<i>45.40</i>	<i>13.00</i>	400		
<i>46.30</i>	<i>12.05</i>	500		
<i>47.20</i>	<i>11.05</i>	600		
<i>48.10</i>	<i>10.00</i>	700		
<i>49.10</i>	<i>08.55</i>	800		
<i>50.10</i>	<i>07.45</i>	900		
<i>51.50</i>	<i>06.45</i>	1000		
<i>53.00</i>	<i>05.40</i>	1100		
<i>54.00</i>	<i>04.35</i>	1200		
<i>55.10</i>	<i>03.30</i>	1300		
<i>56.10</i>	<i>02.20</i>	1400		
<i>57.10</i>	<i>8.01 =</i>	1500		
<i>58.15</i>	<i>59.50</i>	1600		
<i>58.30</i>	<i>7.59.40</i>	<i>1675</i>		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

19° 54'	South	2500	144° 48'	West
OK H.C.F. <u>2</u>		2600	6' East of here here title.	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
3600	153	3400		
1615	49	3500		
1985	104	3600		
	1615	3700		
	1719	3800		
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

24 L<sup>Hy</sup> 39 35 Pat Log 89.9.

No. A. A 169 Date 3 Nov. 99  
Machine. #1 Reel. Built up  
Turns 551 Cor. + 43 Depth 594 fms

Shot & lead 35°  
Bottom Cr Coral sd

Bottom temperature 39.5°

No. of thermometer 92449 Cor.

Corrected temperature

Air 88 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.10. =	21.30	0		
10.50	20.35	100		
11.35	19.25	200		
12.30	18.30	300		
13.25	17.25	400		
14.30	16.20	500		
15.15	15.50	551		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

19° 54'	South	2500	144° 53'	West
OK		2600		
H.C.S.		2700	1' East of	
3		2800	Hereheretue	
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
3600	153	3500		
551	110	3600		
3049	43	3700		
	551	3800		
	594	3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Hutchinson* Cat Log 89.9  
Hyd 3936.

No. *A.A. 170* Date *3 Nov. 99.*

*Sigsbee* Machine # / Reel. *Built*  
Turns *175* Cor. + *14* Depth *189 fms*

Shot or lead *35#*

Bottom *Coral sand, Mang. Cor*

Bottom temperature *62.1°*

No. of thermometer *92449* Cor.

Corrected temperature

Air *81* Surface *78* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-55 =</i>	<i>59.30</i>	0		
<i>55.45</i>	<i>58.25</i>	100		
<i>56.30</i>	<i>57.25</i>	175		
		200		
		300		
		400		
<i>Recorder's watch</i> <i>4 min. fast</i> <i>deck - clock</i>		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

190° 54'	South	2500	144° 59'	West
OK		2600		
<del>NE 2</del>		2700	3/10' west of	
		2800	structure	
		2900		
		3000		
		3100		
		3200		
		3300		
3600		3400		
175		3500		
<u>3425</u>	153	3600		
	139	3700		
	<u>14</u>	3800		
	175	3900		
	<u>189</u>	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



*Hutchinson* Cat Log 94.9.  
No. 3937.

No. *A.A. 171* Date *3 Nov. 99*  
*Sigsbee* Machine. #1 Reel. Built up

Turns *1586* Cor. + *102* Depth *1688 fms*

Shot or lead *60#*

Bottom *Sl. lg. Mang. Par. Lt. Brn*

Bottom temperature *35.3*

No. of thermometer *92449* Cor.

Corrected temperature

Air *81* Surface *78* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>2: 36.30</i>	<i>09.40</i>	0
<i>37.25</i>	<i>08=</i>	100
<i>38.10</i>	<i>07.20</i>	200
<i>38.55</i>	<i>06.10</i>	300
<i>39.45</i>	<i>05.05</i>	400
<i>40.35</i>	<i>04=</i>	500
<i>41.30</i>	<i>03=</i>	600
<i>42.20</i>	<i>02=</i>	700
<i>43.20</i>	<i>3-01=</i>	800
<i>44.15</i>	<i>30.M.</i>	900
<i>45.15</i>	<i>59=</i>	1000
<i>46.15</i>	<i>57.55</i>	1100
<i>47.20</i>	<i>56.50</i>	1200
<i>48.20</i>	<i>55.40</i>	1300
<i>49.30</i>	<i>54.35</i>	1400
<i>50.35</i>	<i>53.35</i>	1500
<i>51.10</i>	<i>52.30</i>	1586

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Recorder's watch*  
*4 min. fast of deck-*  
*clock*

19° 50'	South	2500	145° 03'	West
OK		2600		
Dec.		2700	5 <sup>3</sup> / <sub>10</sub> ' N of	
		2800	Here here	
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
3600	153	3700		
1586	51	3800		
2014	102	3900		
	1586	4000		
	1688			

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *122* Date *Aug 10 1898*  
 Machine. *Reel* Reel. *Reel*  
 Turns *2195* Cor. + *127* Depth *2322*  
 Shot or lead *60 lb*  
 Bottom *Soft mud*  
 Bottom temperature *35.2*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *79* Surface *77* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10. 00	10. 52. 10	0		
06. 00	51. 55	100		
06. 20	51. 50	200		
07. 40	50. 10	300		
08. 40	49. 05	400		
09. 20	48. 05	500		
10. 30	47. 30	600		
11. 25	46. 30	700		
12. 25	45. 30	800		
13. 25	44. 30	900		
14. 25	43. 20	1000		
15. 30	42. 10	1100		
16. 35	41. 05	1200		
17. 40	40. 05	1300		
18. 40	39. 00	1400		
19. 45	38. 05	1500		
20. 50	37. 10	1600		
21. 15	36. 40	1700		
22. 20	35. 35	1800		
23. 20	34. 30	1900		
24. 15	33. 20	2000		
25. 55	31. 10	2100		
10-25. 10	10. 29. 50	2195		
		2300		
		2400		

2500	
2600	
2700	
2800	
2900	
3000	
3100	
3200	
3300	
3400	
3500	
3600	
3700	
3800	
3900	
4000	

91  
 31.5  
 2600 123  
 2195 26  
 1401 127  
 2190  
 2222

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Altair* 5-3691. *Long*

No. *173* Date *4*

*Sigsbee* Machine. 1 Reel. *1000*

Turns *209* Cor. + *131* Depth *2440 fms*

Shot or lead *60 pound*

Bottom *Dark Mud Black. Cor. Jar.*

Bottom temperature *34.8°*

No. of thermometer *92440* Cor.

Corrected temperature

Air *77°* Surface *78°* Drift

Trawl or dredge *Sigsbee duck*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5 50 30</i>	<i>6.42</i>	0	<i>4.10</i>	<i>04.45</i>
<i>6 00 15</i>	<i>48 10</i>	100	<i>04 30 12</i>	<i>50.15</i>
	<i>45 15</i>	200	<i>07 30</i>	<i>56.40</i>
		300	<i>10 30</i>	<i>52.55</i>
		400	<i>13 45</i>	<i>49 =</i>
<i>15</i>	<i>44 15</i>	500	<i>16 50</i>	<i>44.50</i>
	<i>41 15</i>	600	<i>21 50</i>	<i>40.40</i>
<i>0 50 00</i>	<i>42 20</i>	700	<i>24 40</i>	<i>36.20</i>
<i>0 6 00</i>	<i>41 20</i>	800	<i>26 40</i>	<i>31.10</i>
<i>1 55</i>	<i>40 15</i>	900	<i>28 40</i>	<i>25.40</i>
	<i>39 15</i>	1000	<i>30 40</i>	<i>20.50</i>
	<i>38 15</i>	1100	<i>33 15</i>	<i>17.50</i>
	<i>37 15</i>	1200	<i>35 40</i>	<i>16 =</i>
	<i>35 20</i>	1300	<i>37 40</i>	<i>12.20</i>
	<i>34 15</i>	1400	<i>40 20</i>	<i>07.55</i>
<i>13 00</i>	<i>33 15</i>	1500	<i>42 50</i>	<i>04.20</i>
	<i>32 15</i>	1600	<i>46.10</i>	<i>11- 00.20</i>
<i>15 15</i>	<i>31 05</i>	1700	<i>48 25</i>	<i>56.20</i>
	<i>30 05</i>	1800	<i>50.40</i>	<i>51.45</i>
<i>17 35</i>	<i>28.50</i>	1900	<i>54 =</i>	<i>46.10</i>
<i>18 40</i>	<i>27.45</i>	2000	<i>57 =</i>	<i>41.40</i>
<i>19 50</i>	<i>26.40</i>	2100	<i>58 30</i>	<i>37.05</i>
<i>21 05</i>	<i>25.30</i>	2200	<i>13.10</i>	<i>31.45</i>
<i>22 20</i>	<i>23.00</i>	2300	<i>05.50</i>	<i>26.20</i>
<i>23 35</i>	<i>21.55</i>	2400	<i>09 =</i>	<i>22 =</i>

18° 55' South		146° 32'	
011 0105	2500	8-12.05	16.45
	2600	15.10	11.30
	2700	18.40	10-05.40
	2800	21.30	39.50
	2900	24 =	55.10
	3000	26.40	50 =
	3100	29.10	45.20
	3200	32 =	40.10
	3300		
	3400		
3000	3500		
2800	3600		
1500	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900	Net slightly torn in			
1000	bottom			

REMARKS:

Surge Net was at 9.15 AM  
" " " " 9.36 "

Wire stretched 29 fms.  
Lost one chain hook.

8-3691.

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

J.H. SOUNDING WIRE.

J.H. DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

19, 40, 06 1

47, 30

12, 42, 30 1

19, 46

15, 30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

17, 40, 06 24, 30

17, 40

17, 40

17, 40

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300		125.54		
400		1.1		
500				
600				
700				
800				
900				
1000				

REMARKS:



No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2.01.00 2.01.10

06.0

10.4

15.0

19.10

23.20

27.30

31.40

35.50

39.50

44.00

48.10

52.20

56.30

60.40

64.50

68.50

73.00

77.10

81.20

85.30

89.40

93.50

97.50

102.00

106.10

110.20

114.30

118.40

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

6. SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *6174* Date *11 Nov 08*  
Machine. *1* Reel. *10*  
Turns/*95* Cor. + *118* Depth *2017 fms*  
Shot or lead *none found*  
Bottom *Mud*  
Bottom temperature *35°*  
No. of thermometer *92449* Cor.  
Corrected temperature  
Air *79* Surface *52* Drift  
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.53.00</i>	<i>11-47.30</i>	0		
<i>04.30</i>	<i>47.30</i>	100		
<i>05.20</i>	<i>46.30</i>	200		
<i>06.20</i>	<i>45.30</i>	300		
<i>07.20</i>	<i>44.30</i>	400		
<i>08.20</i>	<i>43.25</i>	500		
<i>09.20</i>	<i>42.20</i>	600		
<i>10.20</i>	<i>41.10</i>	700		
<i>11.20</i>	<i>40.00</i>	800		
<i>12.20</i>	<i>38.50</i>	900		
<i>13.20</i>	<i>37.40</i>	1000		
<i>14.25</i>	<i>36.40</i>	1100		
<i>15.30</i>	<i>35.40</i>	1200		
<i>16.40</i>	<i>34.30</i>	1300		
<i>17.50</i>	<i>33.10</i>	1400		
<i>19.05</i>	<i>31.55</i>	1500		
<i>20.20</i>	<i>30.50</i>	1600		
<i>21.30</i>	<i>29.40</i>	1700		
<i>22.40</i>	<i>28.30</i>	1800		
<i>23.50</i>	<i>27.15</i>	1900		
<i>24.55</i>	<i>26.20</i>	1960		
		2100		
		2200		
		2300		
		2400		

18 28

147 11

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Handwritten scribbles*

*Pat Log 52.7*

No. *N. B. 175* Date *5 Nov 1904*  
*Sigsbee* Machine. #1 Reel. *Brick*  
Turns *2010* Cor. + *119* Depth *2129* fms.  
Shot or lead *60* #  
Bottom *crs. s. green mud*  
Bottom temperature *34.8*  
No. of thermometer *72449* Cor.  
Corrected temperature  
Air *75* Surface *75* Drift  
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5. 53.40</i>	<i>06.10</i>	0		
<i>24.20</i>	<i>05 =</i>	100		
<i>25 =</i>	<i>04 =</i>	200		
<i>35.45</i>	<i>03 =</i>	300		
<i>46.25</i>	<i>02 =</i>	400		
<i>27.25</i>	<i>00.55</i>	500		
<i>28.20</i>	<i>6 AM.</i>	600		
<i>29.20</i>	<i>59 =</i>	700		
<i>30.20</i>	<i>58 =</i>	800		
<i>31.20</i>	<i>56.55</i>	900		
<i>32.00</i>	<i>55.55</i>	1000		
<i>33.00</i>	<i>54.45</i>	1100		
<i>34.10</i>	<i>53.45</i>	1200		
<i>35.25</i>	<i>52.40</i>	1300		
<i>36.25</i>	<i>51.30</i>	1400		
<i>37.25</i>	<i>50.20</i>	1500		
<i>38.20</i>	<i>49.20</i>	1600		
<i>39.40</i>	<i>48.15</i>	1700		
<i>40.40</i>	<i>47.10</i>	1800		
<i>42 =</i>	<i>46 =</i>	1900		
<i>43.40</i>	<i>44.30</i>	2000		
<i>43.45</i>	<i>44.25</i>	2010		
		2100		
		2200		
		2300		
		2400		

18° 03' South

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

147° 41' 71.1

14' 22.0 14.0

3600 153  
2010 34  
1590 118  
2010  
2129

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*W. H. Murray* *Port Log*

No. *R. A. 176* Date *5 Nov. 1899*  
*Sigsbee* Machine. # *1* Reel. *Built 1896*

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer *92447* Cor.

Corrected temperature

Air *82* Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *A. 176* Date *Aug 96, 5*  
 Machine *711* Reel *1*  
 Turns *774* Cor. + *58* Depth *832.17 m*  
 Shot or lead *35 lb*  
 Bottom *fine sand & coral sand*  
 Bottom temperature *38.2*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *87* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
15.42	3.10	100		
16.30	29.10	200		
17.15	28.10	300		
18.10	27.10	400		
19.10	26.00	500		
20.10	25.50	600		
21.10	23.50	700		
		774		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 54' South	2500	148° 06' West
OK	2600	
413	2700	1 1/4' SE of
	2800	Mehetia.
	2900	
	3000	
	3100	
	3200	
	3300	
3600	3400	
774	3500	
7826	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 121 Cor. + 11

Depth 142

Shot or lead 35

Bottom

Bottom temperature

No. of thermometer 92449

Cor.

Corrected temperature

Air 79

Surface 80

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
56.20	10.00.00	0		
57-10	58.40	100		
58.30	57.20	131		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 51'	South	2500	148° 08'	West
		2600		
		2700	1/2' North of	
		2800	Mehetia I.	
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson

No.

Date

Machine.

Reel.

Turns/992 Cor. + 34

Depth 2111 fms.

Shot or lead 60

Bottom U.C. G. S.

Bottom temperature

34.90

No. of thermometer

Cor.

Corrected temperature

Air 83

Surface 81

Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3.42.50

26.15

0

1.33.45

25.10

100

24. =

200

23.50

300

23.45

400

20.50

500

19.50

600

18.50

700

18.50

800

16.45

900

15.50

1000

14.45

1100

13.40

1200

12.40

1300

11.35

1400

10.30

1500

09.20

1600

08.15

1700

07.05

1800

05.45

1900

04.20

2000

2100

2200

2300

2400

17° 46' South	2500	148° 23' West
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
3000	3500	
1222	3600	
1055	3700	
1992	3800	
2111	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Station *42.5*  
 No. *174* Date *5 Nov. 74*  
 Machine *#1* Reel *Reel 1*  
 Turns *1650* Cor. + *105* Depth *1755 fms*  
 Shot or lead *60 lb*  
 Bottom *dr. vol. S.*  
 Bottom temperature *35.0*  
 No. of thermometer *92444* Cor.  
 Corrected temperature  
 Air *81* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>44.35</i>	<i>9-21.20</i>	0		
<i>45.25</i>	<i>20.20</i>	100		
<i>46.10</i>	<i>19.20</i>	200		
<i>47.05</i>	<i>18.20</i>	300		
<i>48.40</i>	<i>17-15</i>	400		
<i>49.35</i>	<i>16.10</i>	500		
<i>50.25</i>	<i>15.10</i>	600		
<i>51.20</i>	<i>14.05</i>	700		
<i>52.20</i>	<i>13.00</i>	800		
<i>53.15</i>	<i>11.55</i>	900		
<i>54.15</i>	<i>10.45</i>	1000		
<i>55.15</i>	<i>09.35</i>	1100		
<i>56.15</i>	<i>08.25</i>	1200		
<i>57.20</i>	<i>07.16</i>	1300		
<i>58.25</i>	<i>06.10</i>	1400		
<i>59.30</i>	<i>05.00</i>	1500		
<i>8 00.35</i>	<i>04.00</i>	1600		
<i>01.20</i>	<i>03.20</i>	<i>1650</i>		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 35'	South	2500	148° 48'	1782m
OK		2600		
2405.		2700		
2		2800		
		2900		
		3000		
		3100		
		3200		
3600	153	3300		
1650	48	3400		
		3500		
1950	105	3600		
	1650	3700		
		3800		
	1755	3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *1180* Date *10**Sigsbee* Machine. *#2* Reel. *10*Turns Cor. + *7* Depth *981*

Shot or lead

Bottom *cr. ooze sand*

Bottom temperature

No. of thermometer *42444* Cor.

Corrected temperature

Air *89* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>51</i>	<i>15</i>	0		
<i>55 10</i>	<i>16 30</i>	100		
<i>56 10</i>	<i>15 30</i>	200		
	<i>14 30</i>	300		
	<i>13 20</i>	400		
<i>50 25</i>	<i>12 10</i>	500		
<i>50 35</i>	<i>11 10</i>	600		
<i>55</i>	<i>10 10</i>	700		
<i>50 40</i>	<i>09 40</i>	800		
<i>50</i>	<i>07 10</i>	900		
		<i>981</i>		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 30' South		2500	1149.41	17.25
		2600		
		2700	Between Peperu & Morra, 5' from N.E. of 1000	
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	464.2	211
		3600	265	155
		3700	3788	76
		3800		905
		3900		981
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

*Surface* Date

Machine.

Reel.

Turns Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 40' South

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

151° 06' West

About 5' NW of  
Huehene.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2

No. *2335* Date *Dec 11 1881*  
Machine. *Lucas* Reel. *Lucas*  
Turns *2335* Cor. + *163* Depth *2498 fms.*  
Shot or lead *55 lb.*  
Bottom *gy. m. s.* No. specimen *1*  
Bottom temperature *34.70*  
No. of thermometer *92443* Cor.  
Corrected temperature  
Air *51* Surface *79* Drift  
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>03.40</i>	<i>02.20</i>	0		
<i>05 =</i>	<i>2.01.05</i>	100		
<i>05.50</i>	<i>19.50</i>	200		
<i>06.40</i>	<i>18.45</i>	300		
<i>07.30</i>	<i>17.40</i>	400		
<i>08.25</i>	<i>16.40</i>	500		
<i>09.20</i>	<i>15.35</i>	600		
<i>10.15</i>	<i>14.30</i>	700		
<i>11.10</i>	<i>13.25</i>	800		
<i>12.05</i>	<i>12.20</i>	900		
<i>13.00</i>	<i>11.15</i>	1000		
<i>14.00</i>	<i>10.10</i>	1100		
<i>15.00</i>	<i>09.05</i>	1200		
<i>16.00</i>	<i>08.00</i>	1300		
<i>17.00</i>	<i>06.55</i>	1400		
<i>18.00</i>	<i>05.50</i>	1500		
<i>19.00</i>	<i>04.45</i>	1600		
<i>20.00</i>	<i>03.40</i>	1700		
<i>21.20</i>	<i>02.40</i>	1800		
<i>22.40</i>	<i>01.40</i>	1900		
<i>23.50</i>	<i>00.50</i>	2000		
<i>25.00</i>	<i>00.15</i>	2100		
<i>26.20</i>	<i>00.30</i>	2200		
<i>27.40</i>	<i>00.35</i>	2300		
<i>29.00</i>	<i>01.05</i>	2400		

18° 54'	South	2500	162° 31'	W
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	4693	211
		3600	2335	8
		3700	2358	133
		3800		
		3900		
		4000		2498

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Spring in sounding cup  
 was used to obtain spec-  
 men of bottom

No. *182* Date *23 Nov. 1899*  
 Machine. *Reel*  
 Turns *204* Cor. + *178* Depth *222 fms.*  
 Shot or lead *60 #*  
 Bottom *Red Clay - Glob*  
 Bottom temperature *23.4*  
 No. of thermometer *92443* Cor.  
 Corrected temperature  
 Air *92* Surface *89* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.10		0	1.	
3.10		100	0.30	
		200	0.50	
		300	1.10	
		400	1.30	
		500	1.50	
		600	2.10	
		700	2.30	
		800	2.50	
		900	3.10	
		1000	3.30	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
10.01.10		2300		
0.00.00		2400		

05-20	12.00	2500	
06.50		2600	
		2700	
		2704	
		<del>2700</del>	
		2900	
		3000	
		3100	2704
		3200	19-11
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

REMARKS: 14 October  
9.45 AM  
I took a boat to the shore  
and back in 10 minutes.



Correction readings for  
 No. *X3* Built-up Reel. Date *23 Nov 1899*  
*Sigsbee* Machine. *3* Reel. Built-up.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

Time.

TURNS.

DREDGE ROPE.

DOWN.

Time.

50

48 - 2

2 0

14 0 0

14 15 + 15

100

98 - 2

7 100

50

67 + 17

48 - 2

7 200

15 0 0

15 18 + 18

200

148 - 2

7 300

50

70 + 20

300

148 - 2

1 400

16 0 0

16 22 + 22

400

148 - 2

1 500

50

74 + 24

500

148 - 2

1 600

17 0 0

17 26 + 26

600

148 - 2

1 700

50

80 + 26

700

149 - 1

0 800

18 0 0

18 20 + 20

800

149 - 2

0 900

50

81 + 31

900

149 - 1

0 1000

19 0 0

19 33 + 33

1000

149 - 1

1 1100

50

85 + 35

50

150 - 0

1 1200

20 0 0

20 37 + 37

700

150 - 0

7 1300

50

89 + 39

50

51 + 1

9 1400

21 0 0

21 41 + 41

800

812 + 2

4 1500

50

93 + 43

50

83 + 3

5 1600

22 0 0

95 + 45

900

904 + 4

6 1700

50

97 + 47

50

905 + 5

7 1800

23 0 0

23 49 + 49

1000

1006 + 6

8 1900

50

24 01 + 01

50

107 + 7

9 2000

24 0 0

53 + 53

1100

1108 + 8

10 2100

50

55 + 55

50

1109 + 9

11 2200

25 0 0

57 + 57

1200

1210 + 10

12 2300

50

26 10 + 60

50

61 + 11

13 2400

26 0 0

62 + 62

1300

1312 + 12

14

50

64 + 64

50

64 + 14

15

Turns	Fms	Turns	Fms
2700	2768 +18 70 <sup>2500</sup>	3500	3620 +120
50	2821 +71 73 <sup>2600</sup>	50	74 +124
2800	2874 +74 76 <sup>2700</sup>	3600	3728 +128
50	2927 +77 79 <sup>2800</sup>	50	82 +132
2900	2980 +80 82 <sup>2900</sup>	3700	3836 +136
50	3033 +83 85 <sup>3000</sup>	50	90 +140
3000	3086 +86 88 <sup>3100</sup>	3800	3944 +144
50	3139 +89 91 <sup>3200</sup>	50	98 +148
3100	3192 +92 94 <sup>3300</sup>	3900	4052 +152
50	3245 +95 97 <sup>3400</sup>	50	4106 +156
3200	3298 +98 100 <sup>3500</sup>	4000	4160 +160
50	3351 +101 103 <sup>3600</sup>	50	4214 +164
163300	3404 +104 106 <sup>3700</sup>	4100	4268 +168
50	3457 +107 109 <sup>3800</sup>	50	4322 +172
183400	3510 +110 112 <sup>3900</sup>	4200	4376 +176
50	3563 +113 115 <sup>4000</sup>	50	4430 +180

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	61.43	100		
200	the upper thermometer broken			
300	gammed between flange & bed plate.			
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS:

54 m. at 1000 fms. in the morning. The upper thermometer broken. The lower thermometer jammed between flange & bed plate. To accommodate itself to the twisted screw.

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4300	4485 + 185	184		
50	4540 + 190	189		
4400	94 + 194	200		
50	4649 + 199	300		
4500	4704 + 204	400		
50	59 + 209	500		
4600	4814 + 214	600		
50	69 + 219	700		
4700	4944 + 224	800		
50	79 + 229	900		
4800	5034 + 234	1000		
50	89 + 239	1100		
4900	5144 + 244	1200		
50	99 + 249	1300		
5000	5254 + 254	1400		
37	95 + 258	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

5274  
5037  
257

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200		5037		
300		258		
400				
500		5295		
600				
700				
800				
900				
1000				

REMARKS:

No. *12* Date *Aug 12 1884*  
*Sigsbee* Machine. # *3* Recl. *Build up*  
 Turns *123* Cor. + *183* Depth *2472*  
 Shot or lead *35*  
 Bottom *Red Clay. Red. Silt*  
 Bottom temperature *33.9°*  
 No. of thermometer *222* Cor.  
 Corrected temperature  
 Air *78* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>8.00</i>	<i>2-3</i>
	<i>45.20</i>	100	<i>04.10</i>	
	<i>44.15</i>	200	<i>05.45</i>	
	<i>43.15</i>	300		
	<i>42.00</i>	400		
	<i>41.00</i>	500		
	<i>39.50</i>	600		
		700		
		800		
		900		
		1000		
<i>7.50.10</i>	<i>34.00</i>	1100	<i>35.00</i>	<i>5</i>
		1200		
		1300	<i>07.50</i>	
		1400		
<i>04.10</i>	<i>28.55</i>	1500	<i>44.00</i>	<i>29.00</i>
	<i>27.30</i>	1600	<i>46.20</i>	<i>32.20</i>
<i>07.10</i>	<i>26.50</i>	1700	<i>48.20</i>	<i>27.00</i>
		1800	<i>50.30</i>	<i>22.00</i>
<i>09.45</i>	<i>23.15</i>	1900	<i>53.00</i>	<i>17.40</i>
<i>10.55</i>	<i>21.50</i>	2000	<i>55.30</i>	<i>13.50</i>
<i>12.15</i>	<i>20.25</i>	2100	<i>57.50</i>	<i>11.50</i>
		2200	<i>60.00</i>	<i>08.00</i>
<i>1.50</i>	<i>18.00</i>	2300	<i>01.40</i>	<i>11.00.20</i>
		2400	<i>03.10</i>	<i>07.00</i>

1904 1670 41' 24"

2027

	2500	45.34	51.20
	2600	45.34	47.40
	2700	45.34	45.34
	2800	45.34	31.50
	2900	45.34	33.50
	3000	45.34	2.20
	3100	45.34	2.20
	3200	45.34	17.30
	3300	45.34	10.11.50
	3400	45.34	10.11.50
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Time 10:10 AM 4/2 Term  
 430  
 9.55

No. *185* Date *26*Machine. *3*Reel. *Bu*Turns *216* Cor. + *216*Depth *3141*Shot or lead *35*Bottom *1/2*Bottom temperature *32.0 F*No. of thermometer *5*

Cor.

Corrected temperature

Air *8*Surface *80*

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>1. 01:20</i>	<i>2:20.50</i>	0
<i>02:20</i>	<i>19.15</i>	100
<i>03:15</i>	<i>18.25</i>	200
<i>04:00</i>	<i>17.15</i>	300
<i>04:50</i>	<i>16.10</i>	400
<i>05:50</i>	<i>15.10</i>	500
<i>06:40</i>	<i>14.05</i>	600
<i>07:40</i>	<i>13.05</i>	700
<i>08:40</i>	<i>12.05</i>	800
<i>09:40</i>	<i>10.50</i>	900
<i>10:40</i>	<i>09.40</i>	1000
<i>11:45</i>	<i>08.35</i>	1100
<i>12:50</i>	<i>07.25</i>	1200
<i>14:00</i>	<i>06.10</i>	1300
<i>15:00</i>	<i>04.45</i>	1400
<i>16:10</i>	<i>03.20</i>	1500
<i>17:20</i>	<i>01.45</i>	1600
<i>18:20</i>	<i>00.40</i>	1700
<i>19:40</i>	<i>58.35</i>	1800
<i>20:45</i>	<i>56.40</i>	1900
<i>22:10</i>	<i>54.50</i>	2000
<i>23:30</i>	<i>52.55</i>	2100
<i>24:45</i>	<i>51.00</i>	2200
<i>26:00</i>	<i>49.00</i>	2300
<i>27:25</i>	<i>47.05</i>	2400

20° 15' S. 175° 00' W.

1.5845	45.5	2500	
2.05	45.20	2600	
2.120	44.50	2700	
2.215	34.15	2800	
2.405	24.00	2900	
3.435	26.50	3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No.

Date

Machine #3 Reel. 10114

Turns

Cor. +

258

Depth 417

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

20.30

22.30

24.30

26.30

28.30

30.30

32.30

34.30

36.30

38.30

40.30

42.30

44.30

46.30

48.30

50.30

52.30

54.30

56.30

58.30

60.30

62.30

64.30

66.30

68.30

14.0

54.10

50.10

45.40

41.35

37.35

33.35

29.35

25.35

21.35

17.35

13.35

9.35

5.35

1.35

0.35

0.35

0.35

0.35

0.35

0.35

0.35

0.35

0.35

0.35

21° 18' South 173° 31' 21"

		2500		42.10
		2600		39.20
		2700		37.20
		2800		34.30
		2900		32.40
		3000		30.50
		3100		13.40
	22.30	3200	56.10	08.10
		3300		12.20
		3400	6.10	
		3500		14.12
	20.20	3600	14.20	41.33
53.40	16.30	3700	11.10	34.25
55.20	12.50	3800	11.30	26.30
56.40		3900		18.10
58.10		4000		2.00

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				36.0
200				34.5
300				33.5
400				32.5
500				31.5
600				30.5
700				29.5
800				28.5
900				27.5
1000				26.5

REMARKS:

1st day of rain - heavy  
 2nd day of rain - heavy  
 3rd day of rain - heavy  
 4th day of rain - heavy  
 5th day of rain - heavy  
 6th day of rain - heavy  
 7th day of rain - heavy  
 8th day of rain - heavy  
 9th day of rain - heavy  
 10th day of rain - heavy  
 11th day of rain - heavy  
 12th day of rain - heavy  
 13th day of rain - heavy  
 14th day of rain - heavy  
 15th day of rain - heavy  
 16th day of rain - heavy  
 17th day of rain - heavy  
 18th day of rain - heavy  
 19th day of rain - heavy  
 20th day of rain - heavy  
 21st day of rain - heavy  
 22nd day of rain - heavy  
 23rd day of rain - heavy  
 24th day of rain - heavy  
 25th day of rain - heavy  
 26th day of rain - heavy  
 27th day of rain - heavy  
 28th day of rain - heavy  
 29th day of rain - heavy  
 30th day of rain - heavy  
 31st day of rain - heavy  
 32nd day of rain - heavy  
 33rd day of rain - heavy  
 34th day of rain - heavy  
 35th day of rain - heavy  
 36th day of rain - heavy  
 37th day of rain - heavy  
 38th day of rain - heavy  
 39th day of rain - heavy  
 40th day of rain - heavy  
 41st day of rain - heavy  
 42nd day of rain - heavy  
 43rd day of rain - heavy  
 44th day of rain - heavy  
 45th day of rain - heavy  
 46th day of rain - heavy  
 47th day of rain - heavy  
 48th day of rain - heavy  
 49th day of rain - heavy  
 50th day of rain - heavy  
 51st day of rain - heavy  
 52nd day of rain - heavy  
 53rd day of rain - heavy  
 54th day of rain - heavy  
 55th day of rain - heavy  
 56th day of rain - heavy  
 57th day of rain - heavy  
 58th day of rain - heavy  
 59th day of rain - heavy  
 60th day of rain - heavy  
 61st day of rain - heavy  
 62nd day of rain - heavy  
 63rd day of rain - heavy  
 64th day of rain - heavy  
 65th day of rain - heavy  
 66th day of rain - heavy  
 67th day of rain - heavy  
 68th day of rain - heavy  
 69th day of rain - heavy  
 70th day of rain - heavy  
 71st day of rain - heavy  
 72nd day of rain - heavy  
 73rd day of rain - heavy  
 74th day of rain - heavy  
 75th day of rain - heavy  
 76th day of rain - heavy  
 77th day of rain - heavy  
 78th day of rain - heavy  
 79th day of rain - heavy  
 80th day of rain - heavy  
 81st day of rain - heavy  
 82nd day of rain - heavy  
 83rd day of rain - heavy  
 84th day of rain - heavy  
 85th day of rain - heavy  
 86th day of rain - heavy  
 87th day of rain - heavy  
 88th day of rain - heavy  
 89th day of rain - heavy  
 90th day of rain - heavy  
 91st day of rain - heavy  
 92nd day of rain - heavy  
 93rd day of rain - heavy  
 94th day of rain - heavy  
 95th day of rain - heavy  
 96th day of rain - heavy  
 97th day of rain - heavy  
 98th day of rain - heavy  
 99th day of rain - heavy  
 100th day of rain - heavy

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				0.30
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Reel again at 20 fms. stopped at  
4:01:30 - check at 4:07:40  
Wire attached 41 fms

*Stacy* *Pat Log 22:7*  
 No. *116* Date *27 Mar 1900*  
*Machine #3 Reel*  
 Turns *455* Cor. + *255* Depth *4540 fms.*  
 Shot or lead *60#*  
 Bottom *gy. R. m.*  
 Bottom temperature *34.2*  
 No. of thermometer *92449* Cor.  
 Corrected temperature *50.10*  
 Air *76* Surface *77* Drift  
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>31.10</i>	<i>9-17.15</i>	0
	<i>16.05</i>	100
	<i>15.00</i>	200
	<i>13.15</i>	300
	<i>12.10</i>	400
	<i>11.45</i>	500
	<i>10.20</i>	600
	<i>10.20</i>	700
	<i>09.20</i>	800
<i>34.55</i>	<i>07.00</i>	900
<i>35.10</i>	<i>06.50</i>	1000
<i>36.10</i>	<i>04.35</i>	1100
<i>37.20</i>	<i>03.10</i>	1200
<i>38.25</i>	<i>01.50</i>	1300
<i>39.25</i>	<i>0.00.00</i>	1400
<i>40.25</i>	<i>59.00</i>	1500
<i>41.25</i>	<i>57.50</i>	1600
<i>42.25</i>	<i>56.10</i>	1700
<i>43.25</i>	<i>54.00</i>	1800
<i>44.25</i>	<i>52.10</i>	1900
<i>45.25</i>	<i>50.30</i>	2000
<i>46.25</i>	<i>48.45</i>	2100
<i>47.25</i>	<i>46.40</i>	2200
<i>48.25</i>	<i>44.30</i>	2300
<i>49.25</i>	<i>42.20</i>	2400

*13*

21° 18' S. 173° 51' W.

54.55	17.56	2500	
56.20	17.57	2600	
57.25	17.58	2700	1.25
58.15	17.59	2800	
7:00.30	18.00	2900	
01.30	18.01	3000	
03.20	18.02	3100	
04.40	18.03	3200	
06.35	18.04	3300	
08.05	18.05	3400	
09.40	18.06	3500	
11.20	18.07	3600	
13.35	18.08	3700	
15.30	18.09	3800	
17.20	18.10	3900	
19.00	18.11	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				260
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Continued

No. *29156* Date *27 Nov 77*  
*Sigsbee* Machine *#3* Reel *Smith*  
 Turns *425* Cor. + *255* Depth *4520 fms*  
 Shot or lead *60 lb*  
 Bottom *gy br vol M*

Bottom temperature

No. of thermometer *92447* Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
<i>7-20.40</i>	<i>33.40</i>	<i>100</i>		
<i>21.35</i>	<i>29.50</i>	<i>200</i>		
<i>23 =</i>	<i>7-26.30</i>	<i>425</i>		
		<i>300</i>		
		<i>400</i>		
		<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>5000</i>		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

876  
21.22  
27

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				260
200		5035		5
300		4285		255
400		750		4280
500				4540
600				
700				
800				
900				
1000				

REMARKS:



No. 213

Date

Machine. 3 Reel.

Turns

Cor. +

Depth

Shot or lead 35

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 76

Surface 79

Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
2.15.00	37.10	0		
16.50	35.25	100		
18.00	34.25	200		
20.00	33.15	300		
21.50	32.10	400		
23.30	31.00	500		
25.30	29.50	600		
26.00	28.30	619		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

18° 47' South → 174° 15' W.

OK  
H.C.H.  
7

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

West of Vavau  
Group Tongareva

5035 260  
614 197  
5415  
66  
617  
582

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Hutchinson Oct 1912*

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

18° 43' South 175° 28' W.

OK  
24 Nov

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

5135  
1205  
6340

250  
144  
116  
1265  
1381

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 104

Date 7 Dec 1897

Machine #3

Reel. Quick

Turns 411

Cor. +

Depth 411

Shot or lead 35

Bottom M. oz. Coral Sand. F. 1/2

Bottom temperature 42

No. of thermometer 92449

Cor.

Corrected temperature

Air 80

Surface 79

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

411

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

18° 50' South 178° 38' 70.

<div>ck</div> <div>71.5</div> <div>50.25</div> <div>21</div> <hr/> <div>624</div>		2500	<div>Center of space</div> <div>between North</div> <div>Honolulu, and</div> <div>Managua</div> <div>San Francisco</div> <div>Japan</div>	
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

18° 54' E. 176° 35' W.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

Bottom of  
Gardner's  
T. H. M. M. M.

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. 141

Date July 12 1891

Machine. Reel.

Turns

Cor. + 55

Depth 606

Shot or lead 31

Bottom 601a/ Sait

Bottom temperature

No. of thermometer 42

Cor.

Corrected temperature

Air 79

Surface 79

Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

18° 53' South 178° 43' W.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

31 S 130° H (m)  
from 7100' and  
Konaika 50

54  
600

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine. Reel.

Turns 409 Cor. + 41 Depth 450

Shot or lead 35

Bottom Coral Sand

Bottom temperature

No. of thermometer 92440 Cor.

Corrected temperature

Air 80 Surface 79 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		409		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

18° 56' South	2500	178° 54' W.
31	2600	2.7 mile
HC 3	2700	10 mile
→	2800	N 19° 31' (mag)
	2900	from Marantz.
	3000	Ed. 31
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *111/93* Date *9 Dec 99*  
*Sigsbee* Machine *#3* Reel. *Built up*  
 Turns *902* Cor. + *58* Depth *990 fms*  
 Shot or lead *55 lb*  
 Bottom *fine g. s. mud*  
 Bottom temperature *37.4*  
 No. of thermometer *12449* Cor.  
 Corrected temperature  
 Air *82* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>33.50</i>	<i>58.15</i>	0		
<i>34.55</i>	<i>57 =</i>	100		
<i>35.50</i>	<i>55.50</i>	200		
<i>36.50</i>	<i>54.25</i>	300		
<i>37.55</i>	<i>53.20</i>	400		
<i>39 =</i>	<i>52.05</i>	500		
<i>40.15</i>	<i>50.50</i>	600		
<i>41.10</i>	<i>49.25</i>	700		
<i>42.10</i>	<i>48.10</i>	800		
<i>44.50</i>	<i>45.03</i>	900		
<i>44.51</i>	<i>45 =</i>	<i>902</i> 1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

<div> <div>18° 56' 34" S</div> <div>174° 16' 54" W</div> <div>OK</div> <div>4127</div> <div>5235</div> <div>902</div> <div>4133</div> </div>		2500.	<div> <div>260</div> <div>172</div> <div>88</div> <div>912</div> <div>990</div> </div>	<div> <div>3800</div> <div>3900</div> <div>4000</div> </div>
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *194* Date *July 13*  
 Machine *3* Reel *3*  
 Turns *1324* Cor. + *121* Depth *1445 fms.*  
 Shot or lead *60 lb.*  
 Bottom *S. G.*  
 Bottom temperature *35.6*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air Surface Drift  
 Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*4 13.30*

*13.30*

*15.50*

*21.20*

*24.30*

*28.10*

*31.00*

*35.10*

*38.10*

*42.10*

*46.10*

*50.10*

*53.10*

*56.10*

*59.10*

*1.02.10*

*1.03.10*

*1.04.10*

*11.50*

*15.20*

*17.10*

*21.05*

*27.20*

*28.10*

*29.10*

*5.00*

*5.10*

*10.10*

*11.10*

*31.10*

*32.10*

*33.10*

*23.10*

*17.10*

*18.10*

*19.10*

*01.10*

*02.10*

*58.10*

*59.10*

*6.03.10*

*6.04.10*

*6.05.10*

*6.06.10*

*6.07.10*

*6.08.10*

*6.09.10*

*6.10.10*

*6.11.10*

*6.12.10*

OL  
A.C.B.

1324  
3711

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

July 26 10:30 am. for 2 Min

" " 2.20

Post travel found -

Red net

Wm. L. S.



No.

35 Date 22 Dec 1895

Machine. Reel.

Turns

Cor. +

Depth

245

Shot or lead

26#

Bottom

Coral

Bottom temperature

No. of thermometer

Corrected temperature

Air

86

Surface

86

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

37

27

0

41

23

100

45

19

200

49

15

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10° 47' S 179° 30' E

OK  
H.C. 51  
22

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

10 - about 2  
miles from  
line of coast  
S. of S. of S.  
on S. of S. of S.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

The correction for number of  
turns at this station is not  
to be practically the same  
as the loss from trend of  
wire from perpendicular.

H.C. 51

No. 1196 Date 21 11 1901  
 Machine. — Reel. —

Turns — Cor. + — Depth —

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 92 Surface 88 Drift

Trawl or dredge 100 yd

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>11.10.00</u>	<u>2.12</u>	0		
<u>11.11.00</u>	<u>2.20</u>	100		
<u>0.11.50</u>	<u>30.30</u>	200		
<u>11.12.00</u>	<u>27.30</u>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

8025' South 179° 08' E.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

3' 78 (line)  
5' 78 (line)  
to Funafofo  
Region.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Surf temp 28.00  
" " 28.00

No. *147* Date *3rd Jan 1913*  
*Lucifer* Machine. # *3* Reel. *Built Up.*  
 Turns *3050* Cor. + *171* Depth *3221 fms*  
 Shot or lead *60 lb*  
 Bottom *gy. s. gy. lig. m.*  
 Bottom temperature *35*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *83* Surface *83* Drift  
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN. UP. TURNS. DOWN. UP.

<i>2. 42.35</i>	<i>34.20</i>	0		
<i>43.50</i>	<i>33.50</i>	100		
<i>44.40</i>	<i>32.55</i>	200		
<i>45.50</i>	<i>31.55</i>	300		
<i>46.45</i>	<i>30.50</i>	400		
<i>47.45</i>	<i>29.50</i>	500		
<i>48.40</i>	<i>28.55</i>	600		
<i>49.45</i>	<i>27.55</i>	700		
<i>50.55</i>	<i>26.55</i>	800		
<i>51.55</i>	<i>25.55</i>	900		
<i>52.50</i>	<i>24.55</i>	1000		
<i>53.20</i>	<i>23.55</i>	1100		
<i>55.25</i>	<i>22.50</i>	1200		
<i>56.45</i>	<i>21.25</i>	1300		
<i>57.55</i>	<i>19.20</i>	1400		
<i>58.50</i>	<i>18.45</i>	1500		
<i>01.45</i>	<i>17.55</i>	1600		
<i>03.10</i>	<i>15.35</i>	1700		
<i>04.30</i>	<i>14.10</i>	1800		
<i>05.50</i>	<i>12.20</i>	1900		
<i>07.10</i>	<i>10.40</i>	2000		
<i>08.50</i>	<i>09.50</i>	2100		
		2200		
		2300		
		2400		

0° 30' N. 173° 35' E

	2500	
	2600	about 16 m
	2700	NW of Cape
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	5235
	3500	2050
	3600	2985
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *108*Date *13 5 97*Machine. *108*Reel. *108*Turns *92*Cor. + *16*Depth *108*Shot or lead *30 lb*Bottom *gy. s. b.*Bottom temperature *56*No. of thermometer *92449*

Cor.

Corrected temperature

Air *84*Surface *84*

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

0046' N

173° 09' E

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

9<sup>m</sup> 88 of  
Maiana

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *22190* Date *2 June 1900*Machine. *3* Reel. *1*Turns *375* Cor. + *38* Depth *413*Shot or lead *35*Bottom *Co. M. S. glob. Cr.*

Bottom temperature

No. of thermometer *92444* Cor.Corrected temperature *43.5° F*Air *92* Surface *84* Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*30000**1450**0**2840**1340**100**2735**1230**200**0825**1115**300**0400**1010**375**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

1° 12' N. 173° 05' E

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

Site Maiana  
+ Jarawa

375  
4660  
222  
38  
375  
773

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

601 N L. O. L. -

No. *A. A. 200* Date *2" Jan. 1900*  
*Tanner* Machine. Reel.

Turns *95* Cor. + *4* Depth *99 fms.*

Shot or lead *=*

Bottom *Co.*

Bottom temperature

No. of thermometer *=* Cor.

Corrected temperature

Air *86* Surface *84* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*60 fms*

*95*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1° 20' N

173° 03' E

OK  
10'

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

$\frac{1}{2}$  m off South  
Coast  
Jamaica

496  
95  
401

12  
8  
4  
95  
99

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*F. L. L. L. L.*

No. *201* Date *2 June 1900*  
*Tanner* Machine. Reel. *1*

Turns *200* Cor. + *8* Depth *208*

Shot or lead *—*

Bottom *Coval*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *86* Surface *84* Drift *—*

Trawl or dredge *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>73 fms from</i> <i>200 fms</i>	<i>200 fms</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 20' N	173° 04' E		
<del>13</del>		2500	abt 1/2 m off South Coast of Java
		2600	
		2700	
		2800	
		2900	
446	12	3000	
200	4	3100	
246		3200	
	200	3300	
	200	3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 202

Date

3" Jan 99

Machine. #3 Reel.

Turns 1439 Cor. + 130

Depth 1569 fms

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

16 =	54.20	0
17 =	55.20	100
18 =	56.20	200
19 =	57.20	300
20 =	58.20	400
21 =	59.20	500
22 =	60.20	600
23 =	61.20	700
24 =	62.20	800
25 =	63.20	900
26 =	64.20	1000
27 =	65.20	1100
28 =	66.20	1200
29 =	67.20	1300
30 =	68.20	1400
31 =	69.20	1500
32 =	70.20	1600
33 =	71.20	1700
34 =	72.20	1800
35 =	73.20	1900
36 =	74.20	2000
37 =	75.20	2100
38 =	76.20	2200
39 =	77.20	2300
40 =	78.20	2400

1° 17' N

173° 09' E

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

abt 5 m

S 12° E (true)

from S 83° E

of Tarawa

5035

260

1439

130

3596

130

1439

1439

1569

1569

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



Station

No.

Date

Machine.

Recl.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

01.45  
02.15  
02.30

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

1° 40' 30" N 172° 59' 30" E

		2500	
		2600	
		2700	2 <sup>m</sup> South of
		2800	Apianq in
		2900	line with
		3000	
		3100	
		3200	
		3300	N Pt of
		3400	Jerava
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

5030  
154  
5881  
—

250  
244  
16  
152  
170

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *124* Date *4 June 1889*  
Machine. *Sigsbee* Reel. *Small*  
Turns *987* Cor. + *10* Depth *997*  
Shot or lead *35 #*  
Bottom *gy. s. (fine) lt. g.*  
Bottom temperature *34.4*  
No. of thermometer *92449* Cor.  
Corrected temperature  
Air *85* Surface *84* Drift  
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.35</i>	<i>21.50</i>	0		
<i>3.55</i>	<i>21.50</i>	100		
<i>3.55</i>	<i>21.50</i>	200		
<i>3.55</i>	<i>21.50</i>	300		
<i>3.55</i>	<i>21.50</i>	400		
<i>4.55</i>	<i>21.50</i>	500		
<i>4.55</i>	<i>21.50</i>	600		
<i>4.55</i>	<i>21.50</i>	700		
<i>4.55</i>	<i>21.50</i>	800		
<i>4.55</i>	<i>21.50</i>	900		
<i>4.55</i>	<i>21.50</i>	1000		
<i>4.55</i>	<i>16.00</i>	1100		
<i>5.15</i>	<i>14.50</i>	1200		
<i>5.25</i>	<i>13.50</i>	1300		
<i>5.35</i>	<i>12.40</i>	1400		
<i>5.35</i>	<i>11.50</i>	1500		
<i>5.45</i>	<i>10.50</i>	1600		
<i>5.55</i>	<i>9.50</i>	1700		
<i>11 = 25</i>	<i>8.50</i>	1800		
<i>12.00</i>	<i>8.00</i>	1900		
<i>12.40</i>	<i>00.00</i>	<i>987</i>		
		2000		
		2100		
		2200		
		2300		
		2400		

10521 JV

1730 151 E

OK  
40m

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

At Halfway  
bet Apia and  
Marakei.

5555 200  
1482 4.3  
3073 19.7  
4974  
5156

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS: ,

No. *1215* Date *4 Jan 1900*

Machine. *3* Reel. *11*

Turns *392* Cor. + *39* Depth *431*

Shot or lead *35 lb.*

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *85* Surface *83* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>31.10</i>	<i>31.30</i>	0		
<i>31.15</i>	<i>31.25</i>	100		
<i>31.20</i>	<i>31.20</i>	200		
<i>31.25</i>	<i>31.15</i>	300		
<i>31.30</i>	<i>31.10</i>	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

20 04' JV 1730 16' E

	2500	$\frac{1}{2} m$ JN x JV
	2600	(true) of Monument
	2700	on West Shore
	2800	of Maraki
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	535
	3500	322
	3600	4243
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *00206* Date *May 18 1880*  
 Machine. Reel. *10*  
 Turns *12* Cor. + *12* Depth *24*  
 Shot or lead *60 lb*  
 Bottom *gl. s. sh.*  
 Bottom temperature *75.4*  
 No. of thermometer *71497* Cor.  
 Corrected temperature  
 Air *83* Surface *83* Drift  
 Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>12-24-00</i>	<i>13-00</i>	0
<i>02-20</i>	<i>12-50</i>	100
<i>03-00</i>	<i>12-40</i>	200
<i>04-00</i>	<i>12-30</i>	300
<i>05-00</i>	<i>12-20</i>	400
<i>06-00</i>	<i>12-10</i>	500
<i>07-00</i>	<i>12-00</i>	600
<i>08-00</i>	<i>11-50</i>	700
<i>09-00</i>	<i>11-40</i>	800
<i>10-00</i>	<i>11-30</i>	900
<i>11-00</i>	<i>11-20</i>	1000
<i>12-00</i>	<i>11-10</i>	1100
<i>13-00</i>	<i>11-00</i>	1200
<i>14-00</i>	<i>10-50</i>	1300
<i>15-00</i>	<i>10-40</i>	1400
<i>16-00</i>	<i>10-30</i>	1500
<i>17-00</i>	<i>10-20</i>	1600
<i>18-00</i>	<i>10-10</i>	1700
<i>19-00</i>	<i>10-00</i>	1800
<i>20-00</i>	<i>09-50</i>	1900
<i>21-00</i>	<i>09-40</i>	2000
<i>22-00</i>	<i>09-30</i>	2100
<i>23-00</i>	<i>09-20</i>	2200
<i>24-00</i>	<i>09-10</i>	2300
<i>25-00</i>	<i>09-00</i>	2400

20 27' N 1730 09' E

OK  
115

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

260  
21 11  
21 5  
22 7  
10

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



Val 157 5.2

No.

Date

Machine. #3

Reel. Bait 1st

Turns 13.20

Cor. +

22

Depth

Shot or lead

6.0

Bottom

Mud

Bottom temperature

55.3°

No. of thermometer

921149

Cor.

Corrected temperature

Air

83

Surface

83

Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

44.45.50	21.15	0		
45.50	20.00	100		
47.45	18.50	200		
48.50	17.30	300		
49.30	16.00	400		
50.25	14.50	500		
51.25	12.55	600		
52.25	11.15	700		
53.20	09.30	800		
54.25	07.40	900		
55.30	06.00	1000		
56.35	04.30	1100		
57.40	03.00	1200		
58.50	01.40	1300		
59.30	5.01-	1339		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2.49' N		173° 01' E	
OK H.C.S. <u>2</u>		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	5035 260
		3600	1339 138
		3700	3696 122
		3800	1339
		3900	1461
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

F. Hutchinson, Pat. Log. 94.3

No. *N. A. 208* Date *7 Jan. 1900*  
*Sigsbee* Machine. #3 Reel. Built up.  
 Turns *2300* Cor. + *186* Depth *2486 fms*  
 Shot or lead *60#*  
 Bottom *lt yf Glob.*  
 Bottom temperature *34.7*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *83* Surface *83* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8-07.40</i>	<i>02.55</i>	0		
<i>08.30</i>	<i>01.40</i>	100		
<i>09.20</i>	<i>00.35</i>	200		
<i>10.05</i>	<i>59.30</i>	300		
<i>10.50</i>	<i>58.30</i>	400		
<i>11.45</i>	<i>57.20</i>	500		
<i>12.35</i>	<i>56.15</i>	600		
<i>13.30</i>	<i>55.10</i>	700		
<i>14.30</i>	<i>54.10</i>	800		
<i>15.30</i>	<i>53 =</i>	900		
<i>16.35</i>	<i>51.50</i>	1000		
<i>17.40</i>	<i>50.30</i>	1100		
<i>18.45</i>	<i>49.10</i>	1200		
<i>19.50</i>	<i>48 =</i>	1300		
<i>21.05</i>	<i>46.45</i>	1400		
<i>22.15</i>	<i>45.25</i>	1500		
<i>23.25</i>	<i>44.10</i>	1600		
<i>24.40</i>	<i>43 =</i>	1700		
<i>25.55</i>	<i>41.45</i>	1800		
<i>27.10</i>	<i>40.30</i>	1900		
<i>28.25</i>	<i>39.10</i>	2000		
<i>29.45</i>	<i>37.50</i>	2100		
<i>31.15</i>	<i>36.30</i>	2200		
<i>32.40</i>	<i>34.25</i>	2300		
		2400		

305912V 172000'E

OK  
HCS

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

5035  
2300  
2735

260  
74  
186  
2300  
2486

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		